ABSTRACT OF THE DISCLOSURE

A three-dimensional image display device capable of forming images at a higher rate is provided by reducing amount of operation for forming images. The three-dimensional display device comprising: a convex lens array 2 where a plurality of convex lenses 2a are arranged, an image display means 3 arranged on or near a focal plane of the lens array 2, an operating means to calculate the farthest point Pi from the image display means 3 among points intersecting the object image to be displayed, on a line L starting from a pixel on the image display means 3 passing through the center of the curvature of the convex surface of a plurality of said respective convex lens and heading toward the object image to be displayed in the predetermined three-dimensional space via center Cj of the curvature of the convex surface of a plurality of respective convex lens 2a, and an image controlling means for instructing to display corresponding pixels Cij on the image display means 3 based on the image information Pi calculated by the operating means. A light shielding plate 12 where a plurality of pin holes are arranged, can be employed in place of the lens array 2.